

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DKT. NO. 503.30414V16	SERIAL NO. 09/552 572
	APPLICANT KATO, et al.	
	FILING DATE April 19, 2000	GROUP 3749

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
SMG	AA	4,969,790	11/13/90	Petz et al.		10/24/88
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					

FOREIGN PATENT DOCUMENTS

Abstract/

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
SMG	AM	2-61064	03/01/90	Japan			x
SMG	AN	1-310553	12/14/89	Japan			x
SMG	AO	1-251734	10/06/89	Japan			x
SMG	AP	62-44571	02/26/87	Japan			x
SMG	AQ	62-50463	03/05/87	Japan			x
SMG	AR	2-106037	04/18/90	Japan			x
SMG	AS	57-29577	02/17/82	Japan			x
SMG	AT	63-153270	06/25/88	Japan (w/complete translation)		X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

SMG	AU	Semiconductor Equipment Association of Japan, "Terminological Dictionary of Semiconductor Equipment), front, table, page 183, back, Nov. 20, 1987.
SMG	AV	Semiconductor Equipment Association of Japan, "Semiconductor News", Vol. 4, pp. 38-43, April 10, 1987 (w/translation).
	AW	
	AX	
	AY	
	AZ	
Examiner <i>Stephen M. Gammie</i>		Date Considered 7-31-00

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jc564 U.S. PTO
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SMH	3 6 5 2 4 4 4	2-72	Lester, et al.			
SMC	3 9 8 1 7 9 1	9-76	Rosvold			
SMH	4 2 2 6 8 9 7	10-80	Coleman			
SMH	4 3 1 1 4 2 7	1-82	Coad, et al.			
SMH	4 3 1 3 8 1 5	2-82	Graves, Jr. et al.			
SMC	4 4 4 9 8 8 5	5-84	Hertel, et al.			
SMH	4 4 5 7 6 6 1	7-84	Flint, et al.			
SMH	4 5 3 4 3 1 4	8-85	Ackley			
SMH	4 5 6 3 2 4 0	1-86	Shibata, et al.			
SMH	4 6 3 4 3 3 1	1-87	Hertel			
SMH	4 7 0 5 9 5 1	11-87	Layman, et al.			

FOREIGN PATENT DOCUMENTS

Abstract/

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
SMH	6 2 8 9 8 8 1	4-87	Japan		X
SMH	6 2 2 0 7 8 6 6	9-87	Japan		X
SMH	1 3 1 9 7 0	2-89	Japan		X
SMH	1 3 1 9 7 1	2-89	Japan		X
SMH	6 3 6 5 8 2	1-89	Japan		X
SMH	1 1 3 5 0 1 5	5-89	Japan		X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

SMH	R.P.H. Chang, "Multipurpose plasma reactor for materials research and processing", J. Vac. Sci. Technol., Vol. 14, No. 1, Jan./Feb. 1977, pages 278-280.

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Stephen M. Garini

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SMG	4 7 1 5 7 6 4	12-87	Hutchinson			
SMG	4 8 5 1 1 0 1	7-89	Hutchinson			
SMG	4 8 3 6 7 3 3	6-89	Hertel, et al.			
SMG	4 8 3 6 9 0 5	6-89	Davis, et al.			
SMG	4 8 9 5 1 0 7	1-90	Yano, et al.			
SMG	4 9 0 2 9 3 4	2-90	Miyamura, et al.			
SMG	4 9 0 3 9 3 7	2-90	Jakuniec, et al.			
SMG	4 9 0 9 6 9 5	3-90	Hurwitt, et al.			
SMG	4 9 1 1 5 9 7	3-90	Maydan, et al.			
SMG	4 9 1 5 5 6 4	4-90	Error, et al.			
SMG	4 9 1 7 5 5 6	4-90	Stark, et al.			

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Abstract/

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
SMG 2 6 5 2 5 2	3-90	Japan			X
SMG 6 4 1 2 0 3 7	1-89	Japan			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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SMG	5 0 0 7 9 8 1	4-91	Kawasaki, et al.			
SMG	5 2 9 2 3 9 3	3-94	Maydan, et al.			
SMG	5 4 5 2 1 6 6	9-95	Aylwin, et al.			
SMG	5 5 0 4 0 3 3	4-96	Bajor, et al.			
SMG	5 5 0 4 3 4 7	4-96	Jovanovic, et al.			
SMG	5 5 5 6 7 1 4	9-96	Fukuyama, et al.			
SMG	5 6 5 1 8 5 8	7-97	Lin			
SMG	5 6 7 5 4 6 1	10-97	Aylwin, et al.			
SMG	4 3 1 3 7 8 3	2-82	Davies, et al.			
SMG	4 3 1 8 7 6 7	3-82	Hijkata, et al.			

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SMG	4 9 2 4 8 9 0	5-90	Giles, et al.	134	902	
SMG	4 9 3 6 3 2 9	6-90	Michael, et al.	134	902	
SMG	5 0 1 4 2 1 7	5-91	Savage	364	550	
SMG	5 0 0 7 9 8 1	4-91	Kawasaki, et al.			
SMG	4 1 3 8 3 0 6	2-79	Niwa	156	345	
SMG	4 5 7 6 6 9 8	3-86	Gallagher, et al.	204	192	
SMG	5 0 1 4 2 1 7	5-91	Savage	364	498	
SMG	5 3 5 1 4 1 5	10-94	Brooks, et al.	34	389	
SMG	4 6 4 3 6 2 9	2-87	Takahashi, et al.	414	331	
SMG	4 8 2 4 3 0 9	4-89	Takehi, et al.	414	217	
SMG	4 9 5 1 6 0 1	8-90	Maydan, et al.	414	217X	

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						YES	NO
SMG	2 0 3 8 1 3 3 8	5-90	Europe				
SMG	6 4 1 2 0 3 7	1-89	Japan				
SMG	4 3 0 5 4 9	4-92	Japan				
SMG	8 7 0 7 3 0 9	5-87	PCT-Int'l Appl.				
SMG	2 9 4 6 4 7	4-90	Japan				
SMG	6 0 2 4 6 6 3 5	12-85	Japan				

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